

Please type a plus sign (+) inside this box [+]

Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

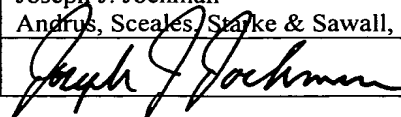
UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. 488-00062 Total Pages 70	
		First Named Inventor or Application Identifier Akira Takayanagi	
		Express Mail Label No. EV342894722US	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents		ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. ☒ Fee Transmittal Form (Submit an original, and a duplicate for fee processing)		6. ☐ Microfiche Computer Program (Appendix)	
2. ☒ Specification [Total Pages 39] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure		7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. ☐ Computer Readable Copy b. ☐ Paper Copy (identical to computer copy) c. ☐ Statement verifying identity of above copies	
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 25]		ACCOMPANYING APPLICATION PARTS	
4. Oath or Declaration [Total Pages 3] a. ☒ Newly executed (original or copy) b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below] i. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		8. ☐ Assignment Papers (cover sheet & document(s))	
5. ☐ Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney (when there is an assignee)	
		10. ☐ English Translation Document (if applicable)	
		11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations	
		12. ☐ Preliminary Amendment	
		13. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
		14. ☐ Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired	
		15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)	
		16. ☒ Other: <u>Certificate of Express Mail</u>	
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /			
18. CORRESPONDENCE ADDRESS			
NAME	Joseph J. Jochman, Reg. No. 25,058		
	ANDRUS, SCEALES, STARKE & SAWALL, LLP		
ADDRESS	100 East Wisconsin Avenue		
	Suite 1100		
CITY	Milwaukee	STATE	Wisconsin
		ZIP CODE	53202-4178
COUNTRY	U.S.A.	TELEPHONE	(414) 271-7590
		FAX	(414) 271-5770

22264 U.S. PTO
 10/679747
 10/06/03

17364
100603PTO/SB/17
(10/97)Approved for use through 9/30/98
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL

COMPLETE IF KNOWN

PTO/SB/17 (10/97)		Application Number		Filing Date		First Named Inventor		Group Art Unit		Examiner Name	
Total Amount of Payment		(\$ 770.00)		Attorney Docket Number		488-00062					
METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)							
1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number <u>01.2000</u> Deposit Account Name <u>Andrus, Scales, Starke & Sawall, LLP</u> ☒ Charge any additional fee required under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b)				2. Additional Fees Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid 105 130 205 65 Surcharge-late filing fee or oath _____ 127 50 227 25 Surcharge-late provisional filing fee _____ or cover sheet 139 130 139 130 Non-English specification _____ 147 2,520 147 2,520 For filing a request for reexamination _____ 112 920* 112 920* Requesting publication of SIR prior to Examiner action _____ 113 1,840* 113 1,840* Requesting publication of SIR after Examiner action _____ 115 110 215 55 Extension for response within first month _____ 116 400 216 200 Extension for response within second month _____ 117 950 217 475 Extension for response within third month _____ 118 1,510 218 755 Extension for response within fourth month _____ 128 2,060 228 1,030 Extension for response within fifth month _____ 119 310 219 155 Notice of appeal _____ 120 310 220 155 Filing a brief in support of an appeal _____ 121 270 221 135 Request for oral hearing _____ 138 1,510 138 1,510 Petition to institute a public use proceeding _____ 140 110 240 55 Petition to revive unavoidably abandoned application _____ 141 1,320 241 660 Petition to revive unintentionally abandoned application _____ 142 1,320 242 660 Utility issue fee (or reissue) _____ 143 450 243 225 Design issue fee _____ 144 670 244 335 Plant issue fee _____ 122 130 122 130 Petitions to the Commissioner _____ 123 50 123 50 Petitions related to provisional applications _____ 126 240 126 240 Submission of Information Disclosure Statement _____ 581 40 581 40 Recording each patent assignment per property (times number of properties) _____ 146 790 246 395 Filing a submission after final rejection (37 CFR 1.129(a)) _____ 149 790 249 395 For each additional invention to be examined (37 CFR 1.129(b)) _____ Other fee (specify) _____ Other fee (specify) _____ SUBTOTAL (3) (\$ 0) *Reduced by Basic Filing Fee Paid							
3. ☒ Payment Enclosed: ☒ Check ☐ Money Order ☐ Other											
FEE CALCULATION (fees effective 10/01/97)											
1. Filing Fee Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) _____ 101 770 201 385 Utility filing fee \$770 106 340 206 170 Design filing fee _____ 107 530 207 265 Plant filing fee _____ 108 770 208 385 Reissue filing fee _____ 114 160 214 80 Provisional filing fee _____ SUBTOTAL (1) (\$ 770.00)											
2. Claims Extra Fee from Fee Paid below Total claims <u>6</u> - 20 = <u>0</u> X _____ = _____ Independent <u>2</u> - 3 = <u>0</u> X _____ = _____ Claims Multiple Dependent _____ X _____ = _____ Claims Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$) _____ 103 18 203 9 Claims in excess of 20 102 78 202 39 Independent claims in excess of 3 104 270 204 135 Multiple dependent claim 109 82 209 41 Reissue independent claims over original patent 110 22 210 11 Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$ 0)											
SUBMITTED BY				COMPLETE (if applicable)							
Type or Printed name		Joseph J. Jochman Andrus, Scales, Starke & Sawall, LLP		Registration Number		25,058					
Signature				Date		10/6/2003		Deposit Account User ID			

CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner of Patents and Trademarks, Washington D.C., 20231 on October 6, 2003. The Express Label is EV342894722US.

Barbara A. Johnson

October 6, 2003

Name

Date



10-6-03

Signature

Date